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(54) Title: **MANNITOL FORMULATION FOR INTEGRIN RECEPTOR ANTAGONIST**

(57) Abstract: Disclosed are pharmaceutical compositions of an integrin  $\alpha\beta 3$  receptor antagonist containing mannitol as the binding agent. The compositions are prepared by wet granulation or direct compression tablet formulation. These pharmaceutical formulations are useful for inhibiting bone resorption associated with osteoporosis, metastatic bone disease, hypercalcemia of malignancy, and Paget's disease.

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/28959

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC(7) : A61K 31/44 US CL : 514/300 According to International Patent Classification (IPC) or to both national classification and IPC						
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) U.S. : 514/300  Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)						
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>						
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.				
A	US 6,017,926 A (ASKEW et al.) 25 January 2000 (25.01.00), see the entire document.	1-22				
A	US 6,268,378 A (DUGGAN et al.) 31 July 2001 (31.07.01), see the entire document.	1-22				
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> Further documents are listed in the continuation of Box C.         </div> <div style="width: 45%;"> <input type="checkbox"/> See patent family annex.         </div> </div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%; vertical-align: top; padding: 5px;">           * Special categories of cited documents:             "A" document defining the general state of the art which is not considered to be of particular relevance             "E" earlier application or patent published on or after the international filing date             "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)             "O" document referring to an oral disclosure, use, exhibition or other means             "P" document published prior to the international filing date but later than the priority date claimed         </td> <td style="width: 60%; vertical-align: top; padding: 5px;"> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center; vertical-align: top;">               "T"                 "X"                 "Y"                 "&amp;"             </td> <td style="padding: 5px;">               later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention                 document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone                 document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art                 document member of the same patent family             </td> </tr> </table> </td> </tr> </table>			* Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance  "E" earlier application or patent published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "P" document published prior to the international filing date but later than the priority date claimed	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center; vertical-align: top;">               "T"                 "X"                 "Y"                 "&amp;"             </td> <td style="padding: 5px;">               later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention                 document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone                 document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art                 document member of the same patent family             </td> </tr> </table>	"T"  "X"  "Y"  "&"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  document member of the same patent family
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Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Authorized officer Raymond J. Henley III Telephone No. 571-272-0600				